Map of parcels at 35 kft on 04071300 influenced by convection 0.0 to 2.5 days earlier Squares indicate location of convectively influenced air -- influence calculated only within black box Crosses indicate locations where back trajectories from squares intersect convection Cross, square, and trajectory colors indicate elapsed time between convection and 04071300 2.0 Days Since C 0.5 0.0 NASA/ARC **PSL** Last Image Used is 0407122345 1008 Trajectories

Map of parcels at 35 kft on 04071300 influenced by convection 2.5 to 5.0 days earlier Squares indicate location of convectively influenced air -- influence calculated only within black box Crosses indicate locations where back trajectories from squares intersect convection, Cross, square, and trajectory colors indicate elapsed time between convection and 04071300 ays Since Convection 4.0 3.5 2.5 NASA/ARC Last Image Used is 0407122345. **PSL** 1008 Trajectories

Map of parcels at 35 kft on 04071300 influenced by convection 5.0 to 7.5 days earlier Squares indicate location of convectively influenced air -- influence calculated only within black box Crosses indicate locations where back trajectories from squares intersect convection Cross, square, and trajectory colors indicate elapsed time between convection and 0407/1300 7.0 ys Since Convection 6.5 5.5 NASA/ARC **PSL** Last Image Used is 0407122345 1008 Trajectories

Map of parcels at 35 kft on 04071300 influenced by convection 7.5 to 10.0 days earlier Squares indicate location of convectively influenced air -- influence calculated only within black box Crosses indicate locations where back trajectories from squares intersect convection Cross, square, and trajectory colors indicate elapsed time between convection and 04071300 10.0 rvection 9.0 8.0 NASA/ARC **PSL** Last Image Used is 0407122345 1008 Trajectories